



AMATEUR RADIO DIGITAL COMMUNICATIONS

ARDC - Grants and the Amateur Radio Internet

September 2021

Mission

To support, promote, and enhance digital communication and broader communication science and technology, to promote Amateur Radio, scientific research, experimentation, education, development, open access, and innovation in information and communication technology.

<https://www.ampr.org/about/mission>



Board of Directors

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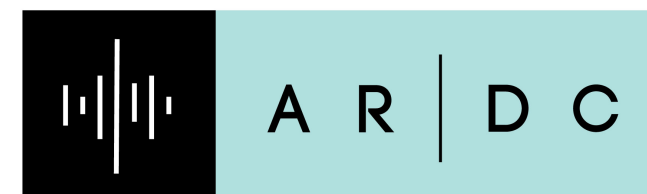
John Gilmore — *W0GNU*

Directors

kc claffy - *KC6KCC*

Bob McGwier — *N4HY*

Keith Packard — *KD7SQG*



AMATEUR RADIO DIGITAL COMMUNICATIONS

ARDC Staff & Contractor



Rosy Wolfe — KJ7RYV
Executive Director



Chris Smith — G1FEF
AMPRNet Administrator + ARDC IT



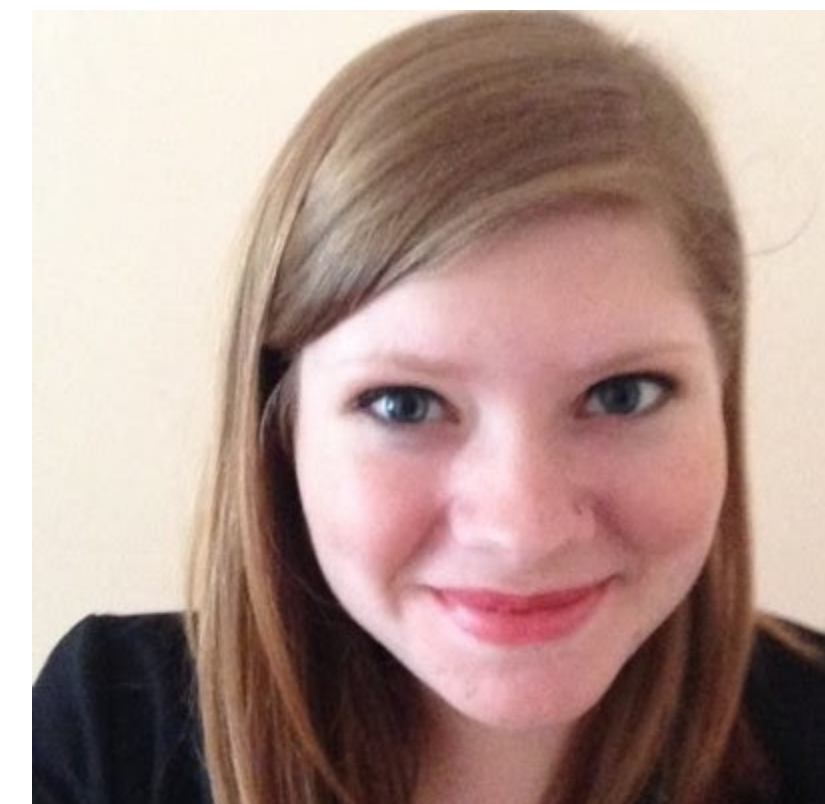
Chelsea Parraga— KF0VYJ
Grants Manager



Dan Romanchik — KB6NU
Content Manager



John Hays — K7VE
Outreach Manager



Merideth Stroh
Administrative Coordinator

2021 Advisory Committees

Grants Advisory Committee (GAC)

- **Chair:** John Hays – *K7VE*
- Hank Magnuski – *KA6M*
- Douglas Kingston – *KD7DK*
- Steve Stroh – *N8GNJ*
- Renzo Rossi – *IW0SAB*
- Bob Witte – *K0NR*
- *Dewayne Hendricks – WA8DZP*

Technical Advisory Committee (TAC)

- **Chair:** Jann Traschewski – *DG8NGN*
- Tim Požár – *KC6GNJ*
- Antonios Chariton – *SV2OIY*
- Adam Lewis – *KC7GDY*
- Caleb Pal – *KD7KAB*
- Pierre Martel – *VE2PF*

Grants and Scholarships Awarded

(Jan - Aug 2021)

2021 CATEGORIES

	Average Grant Size 2021	Total Amount Given 2021
Total	\$132,503	\$3,975,101
Growth of AR	\$168,908	\$2,195,801
Education	\$103,968	\$1,247,621
TI - AR Tech & experimentation	\$169,196	\$338,391
TI - Internet technologies	\$0	\$0
TI - Digital Comms	\$12,000	\$12,000
TI - Comms sci & technology	\$90,644	\$181,288
TI - Advocacy	\$0	\$0

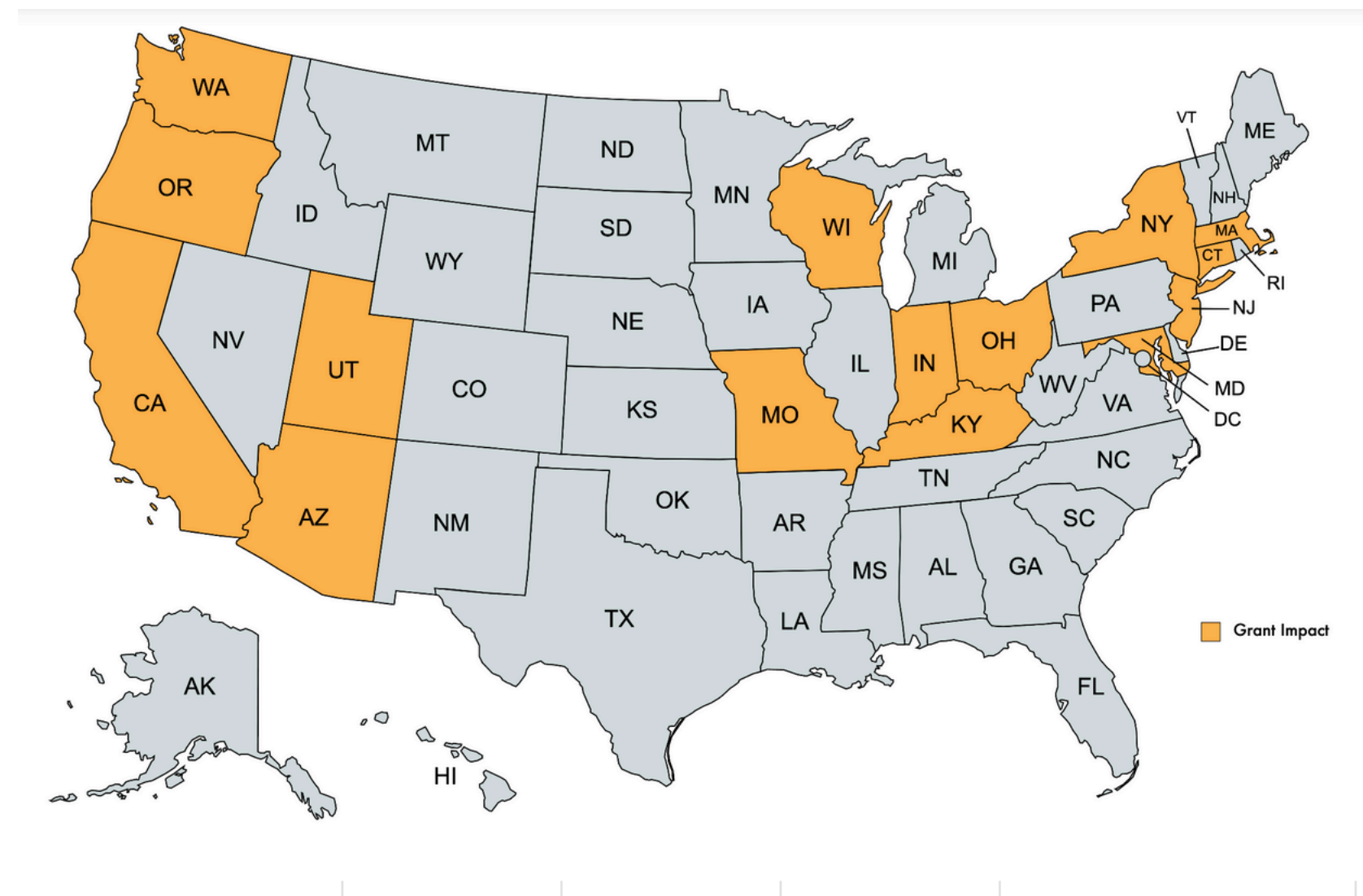
Grants and Scholarships Awarded

(Jan - Aug 2021)

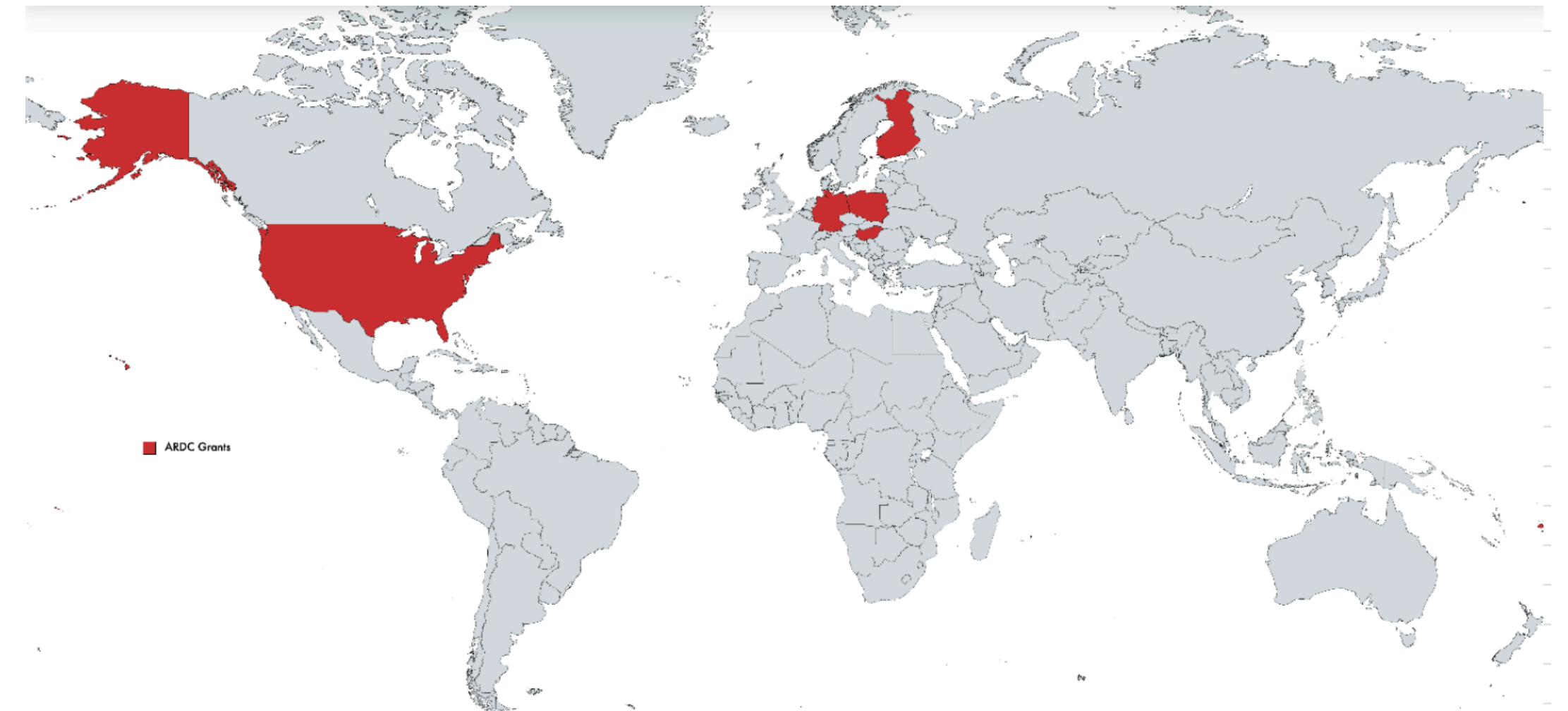
MIT	Radome Renewal	\$1,620,000.00	University of OK	Equipment Upgrade	\$22,983.00
ARRL Foundation	Scholarships	\$761,250.00	Bridgerland ARC	Hands-on Space Science	\$17,831.00
ORI	M17	\$250,000.00	Paradox Sonic Space	Cubesat	\$17,300.00
ARRL Foundation	Scholarships	\$203,000.00	Lake Monroe	Public Relations Trailer	\$13,797.00
IEEE	MORE	\$200,000.00	Allstarlink ROIP	Allstarlink ROIP	\$12,000.00
DARC	AMPR Hardware Grants	\$194,856.00	OH-KY-IN ARS:	Repeater Site Internet Connectivity	\$11,752.00
DARC	OpenWebRX Enhancements project	\$113,288.00	California High School	Incorporating Constructivism and the Maker Mentality at CHS	\$9,950.00
SEE	JRMF	\$112,200.00	Norwich FA	Satellite and ARISS Ground Station	\$9769.00
Oregon HamWAN	Backbone Project 2021	\$88,391.00	U of A	Digital Mode and Long-Term Equipment Investments	\$8,287.00
Case ARC	Tower Replacement	\$81,763.00	Woodridge Middle School	Hamulanche	\$5,453.00
Technical University of Budapest	Electromagnetic Pollution	\$68,000.00	OH-KY-IN ARS	Portable Satellite Ground Station	\$5,288.00
Lee County Emergency Comms		\$40,600.00	Rio Hondo Amateur Radio Club:	Proposal	\$4,454.00
Santa Barbara ARC	Chrisman CA Islands Center	\$35,550.00	MOST	Space	\$4,122.00
Tillamook Emergency Comms	Emergency Volunteer Corps of Nehalem Bay	\$34,101.00	Ski Country ARC	Microwave System Replacement	\$3,516.00
ARESLAX, Inc.	RFI	\$23,600.00	Case ARC	Senior projects	\$2,000.00

Grants and Scholarships Awarded

(Jan - Aug 2021)



Location	Grantees
California	15
New York	5
Ohio	4
Connecticut	4
Maryland	3
Kentucky	2
Indiana	2
Massachusetts	2
Arizona	2
Missouri	1
New Jersey	1
Oregon	1
Utah	1
Wisconsin	1
Oklahoma	1
Colorado	1
Texas	1
Florida	1
St. Croix	1
Poland	1
Finland	1
Samoa	1
Fiji	1
Hungary	1
Germany	2



<https://www.ampr.org/grants>

Applying for Grants

ARDC Makes Grants To

- 501(c)(3) Public Charities
- Government Entities
- Public Schools and Universities
- International Charities/Non-Profits
- Fiscal Sponsorship by 501(c)(3)
- Non Profit but not 501(c)(3)*

*** On rare occasions a grant may be made to a non 501(c)(3) entity if the project meets all other requirements including open access.**

Applying for Grants

Grant Categories for ARDC Funds

Support and Growth of Amateur Radio, Education, and Technical Innovation, particularly in the areas of:

- Amateur Radio Technology & Experimentation,
- Internet Technologies,
- Digital Communications, and
- Communication Science & Technology.

Applying for Grants

We look for grants that further the following aspirational goals

- Broad reach,
- Social over commercial benefit,
- Inclusion of underrepresented groups,
- Empowerment of individuals, and distribution over centralization,
- Preservation of the right to innovate, and
- Innovation on business models.

ARDC requires that whatever is produced from their grants – be it hardware, software, a report, or something else – be made freely available to the public.

Applying for Grants

Before You Apply

- Check your eligibility
- Decide the scope of your grant request
- If you want some feedback before writing up your proposal, contact giving@ardc.net with a letter of inquiry

Applying for Grants

Writing Your Proposal

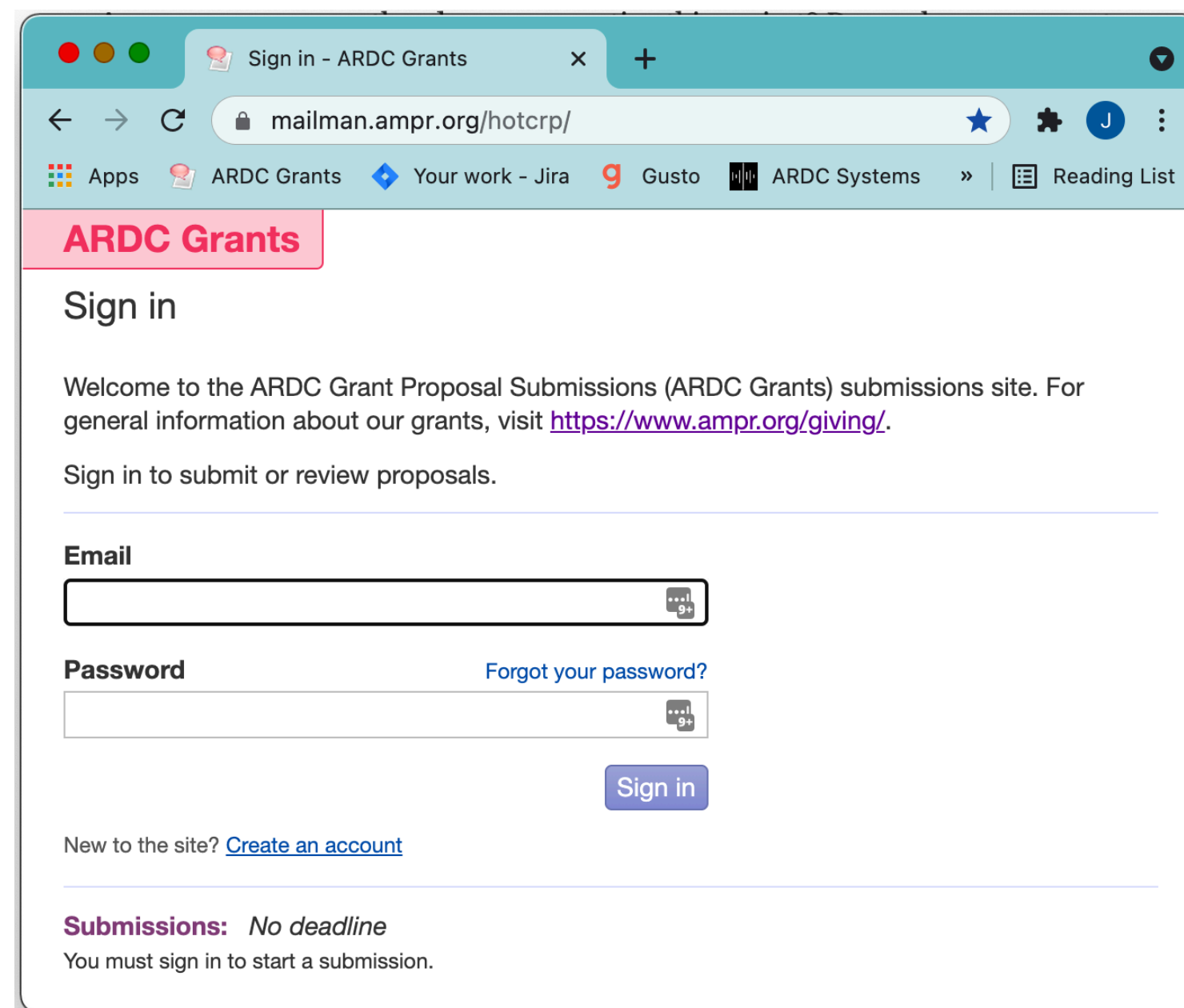
- 1. Describe what you want to accomplish** in plain and clear language (1-5 pages). Include an implementation plan, and a timeline (1-2 years).
- 2. Provide a budget** including a list of what you need to procure and their cost. Round up dollar amounts, and don't forget taxes, shipping, administrative, and indirect costs.

<https://www.ampr.org/apply/> & <https://www.ampr.org/proposal-help/>

Applying for Grants

Submit Your Proposal

1. Once your proposal is ready, create an account:
<https://mailman.ampr.org/hotcrp/>



The screenshot shows a web browser window with the address bar displaying "mailman.ampr.org/hotcrp/". The page has a header with "ARDC Grants" in a pink box. Below the header, the "Sign in" section includes a welcome message, a link to general information, and a "Sign in" button. There are input fields for "Email" and "Password", with a "Forgot your password?" link next to the password field. At the bottom, there is a link to "Create an account" and a "Submissions: No deadline" notice.

Sign in - ARDC Grants

mailman.ampr.org/hotcrp/

Apps ARDC Grants Your work - Jira Gusto ARDC Systems Reading List

ARDC Grants

Sign in

Welcome to the ARDC Grant Proposal Submissions (ARDC Grants) submissions site. For general information about our grants, visit <https://www.ampr.org/giving/>.

Sign in to submit or review proposals.

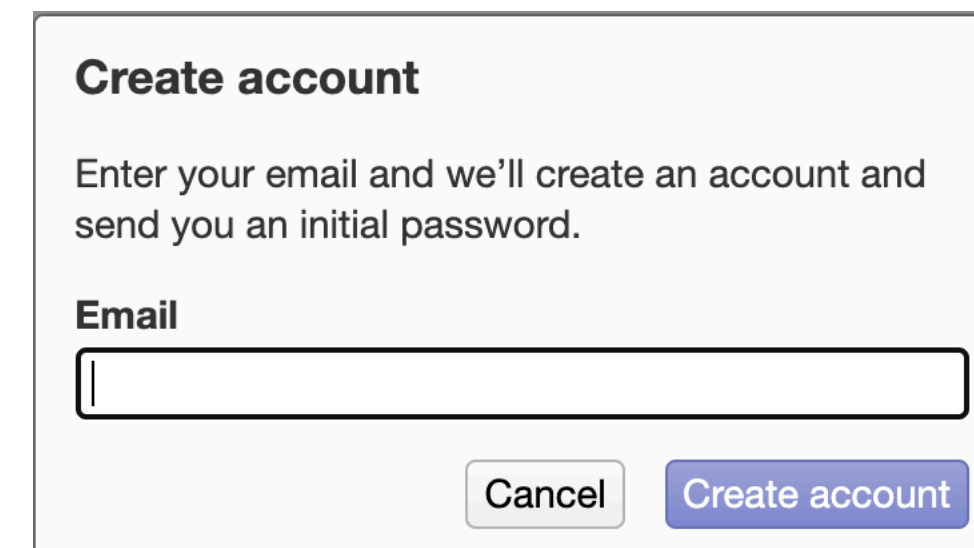
Email

Password [Forgot your password?](#)

Sign in

New to the site? [Create an account](#)

Submissions: No deadline
You must sign in to start a submission.



The "Create account" modal form has a title "Create account" and a description: "Enter your email and we'll create an account and send you an initial password." It features an "Email" input field and two buttons: "Cancel" and "Create account".

Create account

Enter your email and we'll create an account and send you an initial password.

Email

Cancel Create account

Applying for Grants

Submit Your Proposal

2. Follow the instructions in the email and return to the “Hotcrp” site.
3. You will then be given the opportunity to create your proposal.
4. Fill out the submission form and upload any documents plus your budget as a separate file where indicated.

What Happens Next

The Process at ARDC

Once submitted your proposal is reviewed by the Grants Manager.

The Grants Manager may ask you to clarify or update information, based on a preliminary review.

Once the Grants Manager completes the preliminary review it will be turned over the Grants Advisory Committee (GAC).

The GAC will review and discuss your proposal and may ask for further clarification via the Grants Manager.

What Happens Next

The Process at ARDC

The Grants Advisory Committee will take a vote and advise the Grants Manager of their recommendation concerning the proposal.

The recommendation from the GAC is then passed to the Board for a final decision and vote. If approved, you will be notified and arrangements made for release of funds.

The treasurer disperses the funds after all paperwork is completed including a contract that lays out the terms of the grant.

The Amateur Radio Internet

The Technical Advisory Committee Activities

- Conducting studies on current utilization of our IPv4 Address Space (44.0.0.0/9 & 44.128.0.0/10)
- Looking into use cases within that address space for both routed Internet and Intranet
- Working on a plan to implement globally distributed points of presence (POPs) for VPN distribution of addresses to form a backbone for the network.

The Amateur Radio Internet

The Technical Advisory Committee Activities

- Creating simpler and better client connectivity (plug and play routers?)
- Examining the inclusion of IPv6 space into the Amateur Radio Internet
- Recommending better provisioning, management and monitoring tools
- Focusing on ‘plumbing’, applications will be developed by the community

Q+A / Discussion



AMATEUR RADIO DIGITAL COMMUNICATIONS

Thank you!

Reach out any time: contact@ardc.net